

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2003/001635

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7 F25B 49/00**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**IPC7 F25B, F24F**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
KR,JP: IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2003-065640 (SATAKE CHEMICAL EQUIPMENT MFG LTD.) Mar. 5, 2003 see the whole document	1
A	JP 2001-324247 (SANYO ELECTRIC CO. LTD.) Nov. 22, 2001 see the whole document	1
A	JP 2002-156274 (MITSUBISHI ELECTRIC CORP.) May. 31, 2002 see the abstract, Fig.1, 2	1
A	JP 02-154959 (MITSUBISHI ELECTRIC CORP.) Jun. 14, 1990 see the abstract,	1

Further documents are listed in the continuation of Box C.

See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search  
20 APRIL 2004 (20.04.2004)

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21 APRIL 2004 (21.04.2004)

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